



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

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JAN 29 2002

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Applicants: Anthony et al.

Serial No.: 09/973,853

Case No.: 20757Y

Art Unit:

1614

Filed: October 10, 2001

Examiner:

To Be Assigned

For: Aza- and Polyaza-Napthalenyl Carboxamides Useful as
HIV Integrase Inhibitors

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants also wish to bring the following co-pending PCT applications designating the U.S. to the Examiner's attention.

BC Case 20758Y PCT - Appl'n No. PCT/US01/31550, filed 10/09/01 Anthony et al. WO 02/30426
BC Case 20759Y PCT - Appl'n No. PCT/US01/42565, filed 10/09/01 Anthony et al. WO 02/55079
BC Case 20760Y PCT - Appl'n No. PCT/US01/42553, filed 10/09/01 Zhuang et al. WO 02/36734

Copies of these applications are enclosed herewith. Applicants hereby request that Examiner consider the above-listed co-pending cases, initial beside each to indicate that the co-pending applications have, in fact, been considered, and return a copy of the initialed page to Applicants.

Respectfully submitted,

By:

Kenneth R. Walton
Kenneth R. Walton, Reg. No. 32,951
Attorney for Applicants

MERCK & CO., Inc.
P.O. Box 2000
Rahway, New Jersey 07065-0907
Tel.: (732) 594-3462

Date: January 11, 2002

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet PATENT 1 of 2

COMPLETED IF KNOWN

Application Number	09/973,853
Filing Date	October 10, 2000
First Named Inventor	Anthony et al.
Group Art Unit	1624
Examiner Name	Coleman
Attorney Docket Number	20757Y

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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**Examiner
Signature**

Brenda Coleman

Date Considered:

Oct. 29, 2003

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

COMPLETE IF KNOWN

Application Number	09/973,853
Filing Date	October 10, 2001
First Named Inventor	Anthony et al.
Group Art Unit	1614 1624
Examiner Name	Coleman
Attorney Docket Number	20757Y

Sheet 2 of 2

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OTHER NON PATENT LITERATURE DOCUMENTS

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**Examiner
Signature**

Brenda Coleman

Date Considered

Oct. 29, 2003

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

STATEMENT BY APPLICANT

FEB 11 2002

(use as many sheets as necessary)

Sheet 1 of 2

COMPLETE IF KNOWN

Application Number	09/973,853
Filing Date	October 10, 2001
First Named Inventor	Anthony et al.
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Examiner Name	Coleman
Attorney Docket Number	20757Y

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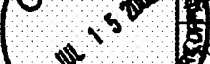
Examiner
Signature

Bogdan Palamarchuk

Date _____

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Substitute for form 1449A/PTO			COMPLETE IF KNOWN	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	09/973,853
			Filing Date	October 10, 2001
			First Named Inventor	Neville J. Anthony, et al.
			Group Art Unit	1624
			Examiner Name	To Be Assigned Coleman
			Attorney Docket Number	20757Y
Sheet	1	of	1	

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Examiner Signature	Brenda Coleman	Date Considered	Oct. 29, 2003
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Examiner Signature	Brenda Coleman	Date Considered	Oct. 29, 2003
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COMPLETE IF KNOWN

Application Number	09/973,853
Filing Date	October 10, 2001
First Named Inventor	Neville J. Anthony, et al.
Group Art Unit	1614 1624
Examiner Name	Not Yet Assigned Co
Attorney Docket Number	20757Y

Sheet 2 of 2

OTHER NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
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2.	Abstract of WO 02/070484 from http://ipoi.wipo.int (Fuji et al., "Nitrogen-Containing Heteroaryl Compounds Having HIV Integrase Inhibitory Activity", Assignee: Shionogi & Co., Ltd.)
3.	L. Chan et al., "Discovery of 1,6-Naphthyridines as a Novel Class of Potent and Selective Human Cytomegalovirus Inhibitors", J. Med. Chem., Vol. 42, No. 16, pp. 3023-3025 (1999)
4.	Derwent Abstract No. 2002 732783, M. Fuji, "New Nitrogenous Heteroaromatic Compounds Are HIV Integrase Inhibitors For Treating HIV Infections, AIDS and AIDS-related Diseases", Abstract of WO 02/070491, Assignee: Shionogi & Co., Ltd. (2002)

Examiner Signature	Brenda Coleman	Date Considered	Oct. 29, 2003
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Draw line through citation if not in conformance and not considered.
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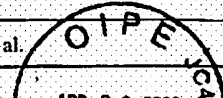
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				COMPLETE IF KNOWN # 11	
				Application Number	09/973,853
				Filing Date	October 10, 2001
				First Named Inventor	Neville J. Anthony, et al.
				Group Art Unit	664 1624
				Examiner Name	Not Yet Assigned Coleman
				Attorney Docket Number	20757Y
Sheet	1	of	1		

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Examiner Signature	Brenda Coleman	Date Considered	Oct. 29, 2003
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EXHIBIT 2

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Applicants: Anthony et al.

Serial No.: 09/973,853

Case No.: 20757Y

Art Unit:
1614

Filed: October 10, 2001

Examiner:
To Be AssignedFor: Aza- and Polyaza-Napthalenyl Carboxamides Useful as
HIV Integrase InhibitorsAssistant Commissioner for Patents
Washington, D.C. 20231INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants also wish to bring the following co-pending PCT applications designating the U.S. to the Examiner's attention.

~~Case 20758Y PCT - Appl'n No. PCT/US01/31550, filed 10/09/01 - Anthony et al.~~~~Case 20759Y PCT - Appl'n No. PCT/US01/42565, filed 10/09/01 - Anthony et al.~~~~Case 20760Y PCT - Appl'n No. PCT/US01/42555, filed 10/09/01 - Zhuang et al.~~

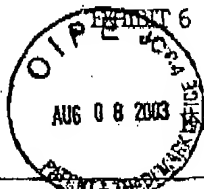
Copies of these applications are enclosed herewith. Applicants hereby request that Examiner consider the above-listed co-pending cases, initial beside each to indicate that the co-pending applications have, in fact, been considered, and return a copy of the initialed page to Applicants.

Respectfully submitted,

By:

Kenneth R. Walton, Reg. No. 32,951
Attorney for ApplicantsMERCK & CO., Inc.
P.O. Box 2000
Rahway, New Jersey 07065-0907
Tel.: (732) 594-3462

Date: January 11, 2002



PATENT

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THE UNITED STATES PATENT AND TRADEMARK OFFICE

12 of 12

Applicants: Anthony et al.

Serial No.: 09/973,853 Case No.: 20757Y

Filed: October 10, 2001

For: AZA- AND POLYAZA-NAPHTHALENYL
CARBOXAMIDES USEFUL AS INTEGRASE
INHIBITORS

Art Unit: ROCKETED

1614

FEB 12 2003

Examiner: LONI SCHNEPISI

Not Yet Assigned

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants wish to bring the following co-pending applications to the Examiner's
attention.

Case 20949Y PCT Serial No. PCT/US 02/25666; Int'l Filing Date -- 13 Aug 2002 Merck & Co., Inc.

Case 20950Y PCT Serial No. PCT/US 02/27151; Int'l Filing Date -- 13 Aug 2002 Merck & Co., Inc.

Case 20951Y Serial No. 10/218,537, filed 14 Aug 2002 Anthony et al.

Applicants hereby request that Examiner consider the above-listed co-pending cases,
initial beside each to indicate that the co-pending applications have, in fact, been considered, and return
a copy of the initialed page to Applicants. Enclosed are copies of these applications as originally filed.

EXPRESS MAIL CERTIFICATE
DATE OF DEPOSIT February 12, 2003
EXPRESS MAIL NO. EL 920762522 US
I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS
BEING DEPOSITED WITH THE UNITED STATES POSTAL
SERVICE AS EXPRESS MAIL, "POST OFFICE TO
ADDRESSEE" BEFORE 5 P.M. ON THE ABOVE DATE IN
AN ENVELOPE ADDRESSED TO ASSISTANT COMMISSIONER
FOR PATENTS, WASHINGTON, D.C. 20231
MAILED BY [Signature]
DATE 2-12-03

Respectfully submitted,

By:

Kenneth R. Walton
Kenneth R. Walton, Reg. No. 32,951
Attorney for Applicants
MERCK & CO., Inc.
P.O. Box 2000
Rahway, New Jersey 07065-0907
Tel.: (732) 594-3462

Date: February 12, 2003

(use as many sheets as necessary)

Sheet 1 of 2

COMPLETE IF KNOWN

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Application Number	09/973,853
Filing Date	October 10, 2000
First Named Inventor	Anthony et al.
Group Art Unit	1624
Examiner Name	Coleman
Attorney Docket Number	20757Y

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Attorney Docket Number 20757Y

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Sheet

of

12

Application Number

09/1973,853

Filing Date

October 10, 2001

First Named Inventor

Anthony et al.

Group Art Unit

~~1614~~ 1624

Examiner Name

Coleman

Attorney Docket Number

20757Y

OTHER NON PATENT LITERATURE DOCUMENTS

Examiner
Initials*

Cite
No.

Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.

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CAPLUS Accession No. 2001:923611, Kiyama et al., "Dual divalent metal ion chelators as HIV integrase inhibitors", abstract of WO 01/95905, Assignee: Shionogi & Co., Ltd. (2001)

**Examiner
Signature**

Brenda Coleman

Date Considered

Oct. 29, 2003

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			COMPLETE IF KNOWN Application Number: 09/973,853 Filing Date: October 10, 2001 First Named Inventor: Neville J. Anthony, et al. Group Art Unit: 1674 1624 Examiner Name: Not Yet Assigned Coleman Attorney Docket Number: 20757Y	
Sheet	6	of	12	

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Examiner Signature	Brenda Coleman	Date Considered	Oct. 29, 2003
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Attorney Docket Number 20757Y

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Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.

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2.

Abstract of WO 02/070486 from <http://ipdl.wipo.int> (Fuji et al., "Nitrogen-Containing Heteroaryl Compounds Having HIV Integrase Inhibitory Activity", Assignee: Shionogi & Co., Ltd.), 2002

BC

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L. Chan et al., "Discovery of 1,6-Naphthyridines as a Novel Class of Potent and Selective Human Cytomegalovirus Inhibitors", *J. Med. Chem.*, Vol. 42, No. 16, pp. 3023-3025 (1999)

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Derwent Abstract No. 2002-732783, M. Fuji, "New Nitrogenous Heteroaromatic Compounds Are HIV Integrase Inhibitors For Treating HIV Infections, AIDS and AIDS-related Diseases", Abstract of WO 02/070491, Assignee: Shionogi & Co., Ltd. (2002)

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Substitute for form 1449A/PTO

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STATEMENT BY APPLICANT

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Sheet 10 of 12 Attorney Docket Number 20757Y

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FOREIGN PATENT DOCUMENTS

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Signature**

Brenda Coleman

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SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

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